

# STORM SEWER IMPROVEMENTS TO SERVE Kansas Surgery & Recovery Center

Lot 1, Block 1 Kansas Surgery & Recovery Center Addition

Private Project: 0100 PPD (607853)

CITY OF WICHITA, KANSAS

Gary Janzen, P.E. Interim City Engineer

May 2012

## Benchmarks

Benchmark #1:  
"X" cut on Curb.  
Elev. = 1409.62(NAVD88)

Benchmark #2:  
Sq. cut on Median Curb.  
Elev. = 1411.38(NAVD88)

## Sheet Index

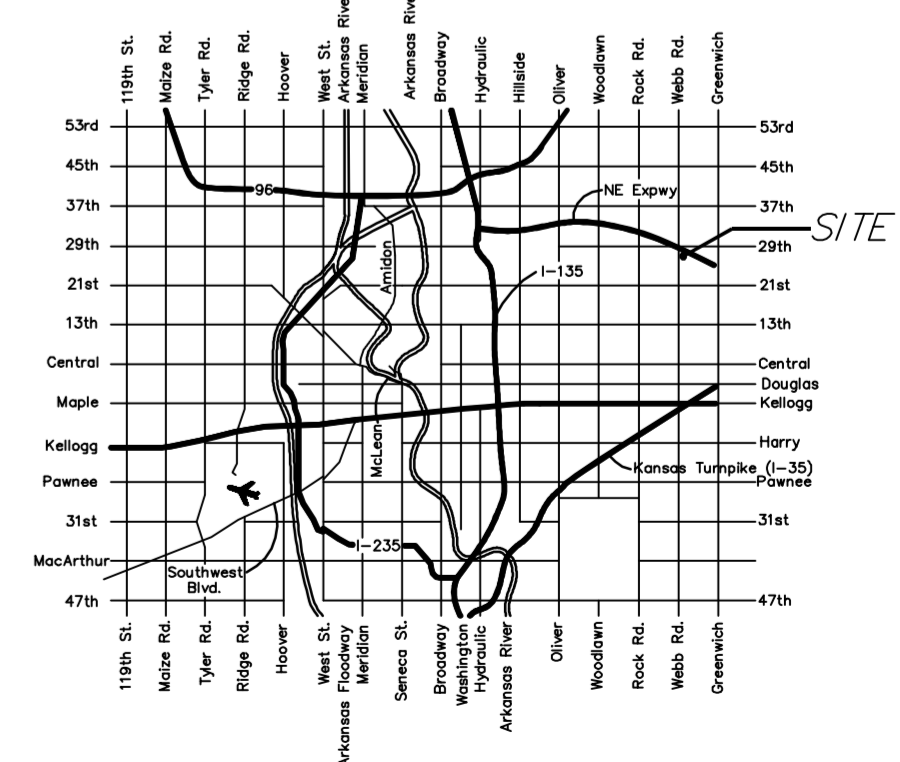
Title Sheet 1

## Legal Description

Parcel one of Lot 1, Block 1, Kansas Surgery & Recovery Center Addition, an Addition to Wichita, Sedgwick County, Kansas.

## General Notes

- Contractor will be required to provide notice to utility companies a minimum of forty-eight (48) hours prior to any excavation, as follows:  
Kansas One-Call 687-2470  
The Contractor must notify the following in case of an emergency:  
Kansas Gas Service Company 1-888-482-4950  
Westar Energy (Electric) 383-8650  
Black Hills Energy (Gas) 1-800-303-0357  
Southwestern Bell Telephone Co. 1-800-286-8313  
262-6000  
City of Wichita Water Dept. (Water) 262-6000  
City of Wichita Sewer Maint. (SS) 268-4090  
City of Wichita Storm Sewer Maint. 268-4034  
City of Wichita Traffic Maint.
- All disturbed areas within the project site and that overlap the area to be disturbed shall have temporary and permanent erosion control measures installed by the general contractor. See site plan reference copy of the Erosion Control Plan and Landscape Plan and coordinate with General Contractor to ensure temp. erosion control measures are install within 7 days of construction.
- All disturbed R/W areas not intended for pavement or sidewalk construction shall be seeded with Kansas Premium Fescue Blend at a rate of 8 lb./1000 Sq. Ft., fertilized with a 16-20-6 ratio at a rate of 4 lb./1000 Sq. Ft., and mulched with Prairie Hay at a rate of 92 lb./1000 Sq. Ft. Mulch shall be "patted" with forks or punched into soil to reduce loss due to wind.
- Utility service lines, poles, valve boxes, meters, et cetera are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans represent the best information obtainable for design and shall be field verified. The contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
- Contractor shall furnish the inspector with a copy of the manufacturer's certification for all pipe used on this project after completion of pipe installation. The engineer will not certify the project to the city until pipe certification has been received.
- Properties within the project limits may have underground sprinkler systems which conflict with new construction. Contractor will be required to remove such improvements should they not be removed by their owner at the time of construction. The Contractor will be required to salvage all sprinkler heads and/or valves and give such material to their owner. Portions of underground sprinkler systems not in conflict with new construction shall be protected from damage and shall remain in place. All work in connection with underground sprinkler systems shall be considered as subsidiary to the contract pay items of work.
- Cuts made to paved surfaces on public property will be repaired by the City's contractor and charged against the owner/applicant. Unit repair prices are available from the City at 268-4418. A surcharge may be applicable; call 268-4418 for details. Repair costs to be paid prior to release of sewer service if sewer service is affected. Contractor shall obtain permit prior to construction.
- Barriers and detour signage shall be in accordance with the Manual On Uniform Traffic Control Devices.
- Contractor shall not start work on the project until the project inspector is assigned to the project and is present on the site. Contractor shall not start on the project until all necessary bonds and permits have been obtained. Bonds may include but are not limited to Statutory, Performance & Maintenance Any work done without inspection will be required to be uncovered for inspection.
- Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain would require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps. of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archaeological investigations unless buried in a previously approved borrow location.
- All storm water sewer lines and appurtenances shall be installed in accordance with the most recent edition of City of Wichita, Kansas Standard Specifications for the Construction of City Projects unless otherwise noted.
- All storm water sewer lines shall be reinforced concrete pipe unless otherwise noted in the plans.



NO SCALE:

VICINITY MAP

APPROVED AS NOTED  
BY CITY ENGINEER OF WICHITA

Engineering *Julianne Kallman 5-21-12*

Storm Drainage *Jim Harty*

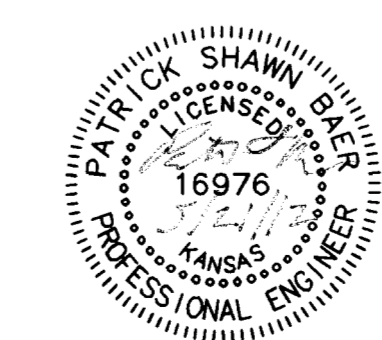
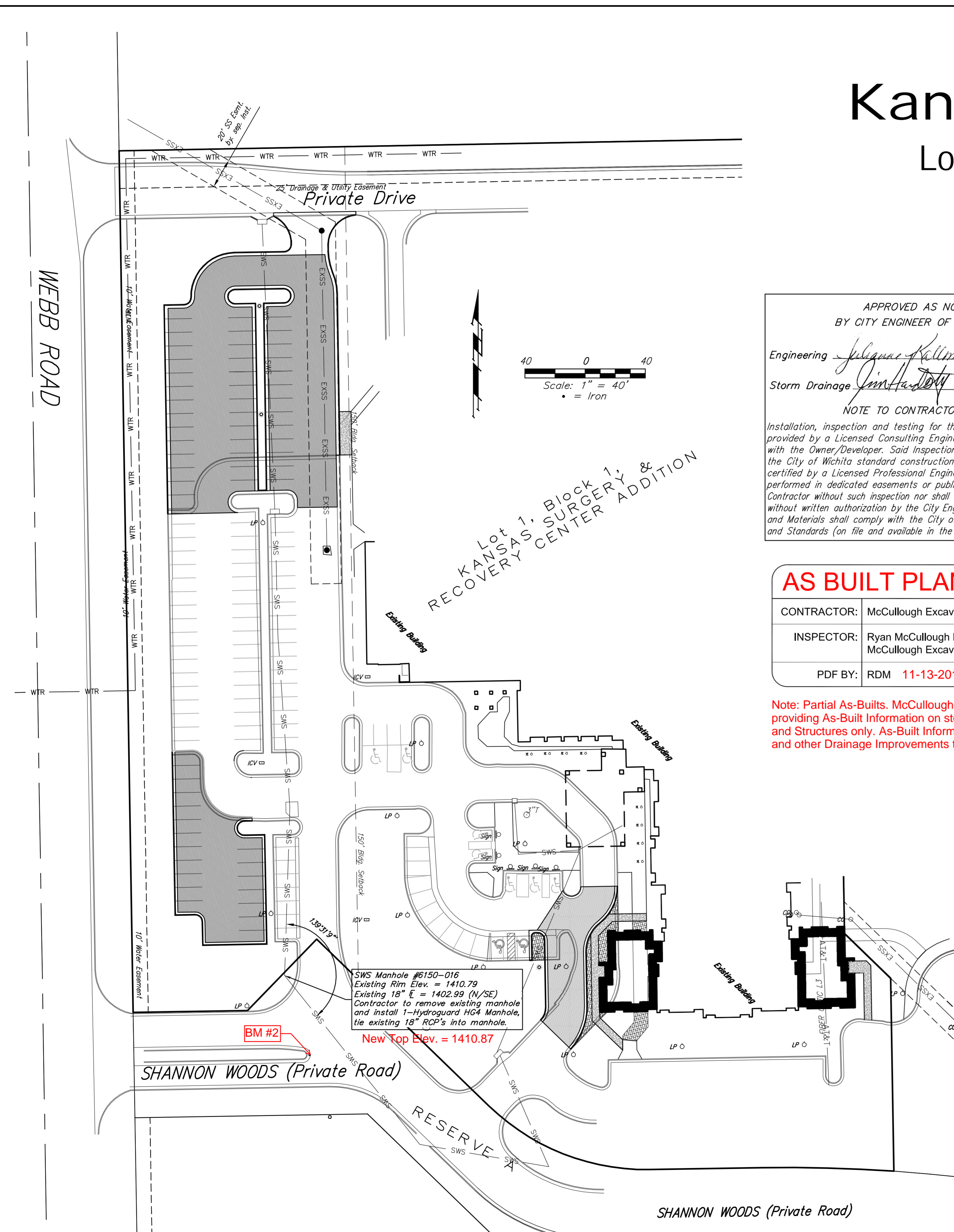
NOTE TO CONTRACTORS

Installation, inspection and testing for this project is to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection nor shall any work be commenced without written authorization by the City Engineer. All Construction and Materials shall comply with the City of Wichita Specifications and Standards (on file and available in the City Engineer's Office).

## AS BUILT PLANS

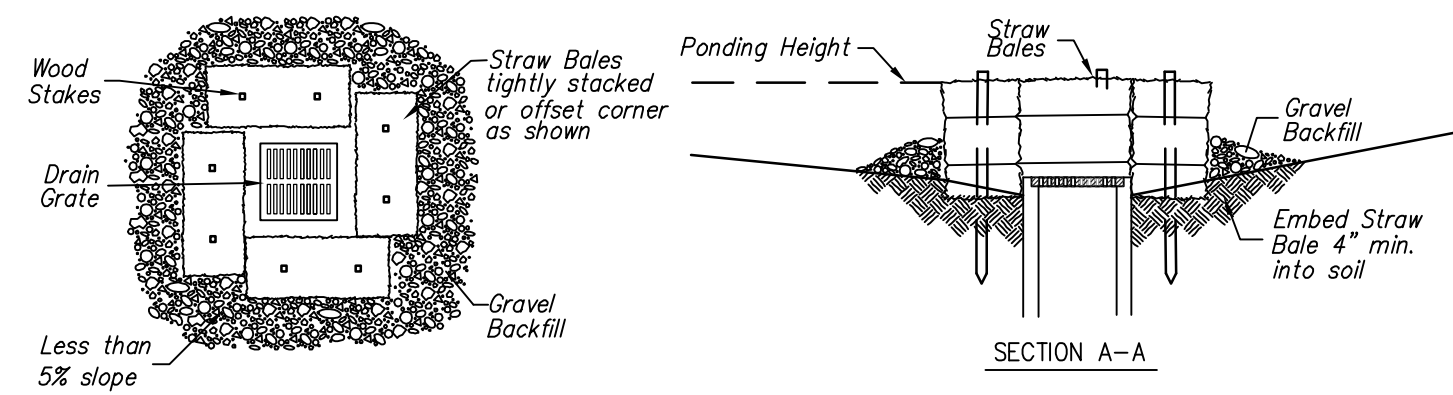
CONTRACTOR:	McCullough Excavation
INSPECTOR:	Ryan McCullough P.E., McCullough Excavation
PDF BY:	RDM 11-13-2012

Note: Partial As-Builts. McCullough Excavation is providing As-Built Information on storm sewer Pipe and Structures only. As-Built Information on Grading and other Drainage Improvements to be provided by others.

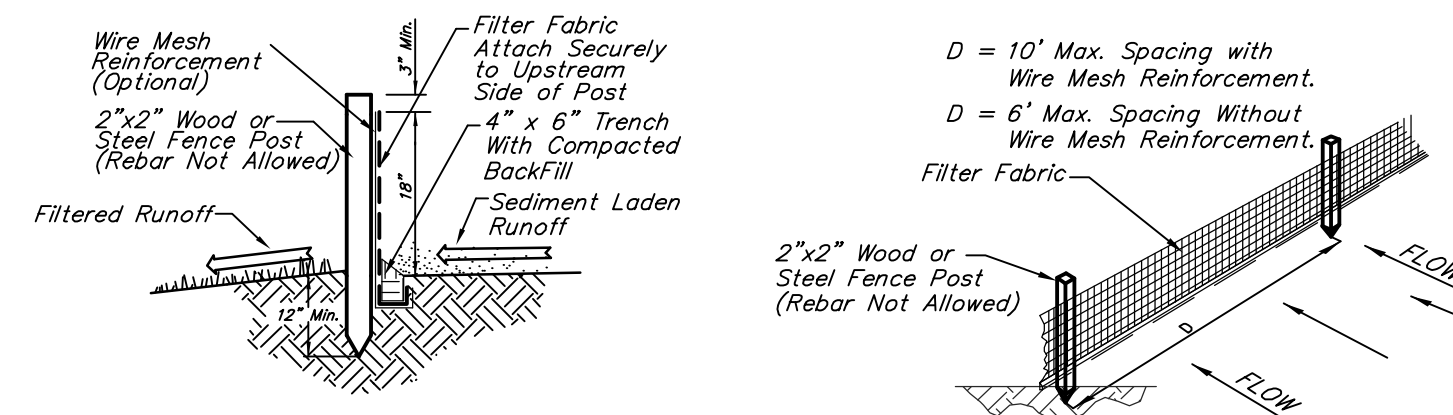


Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

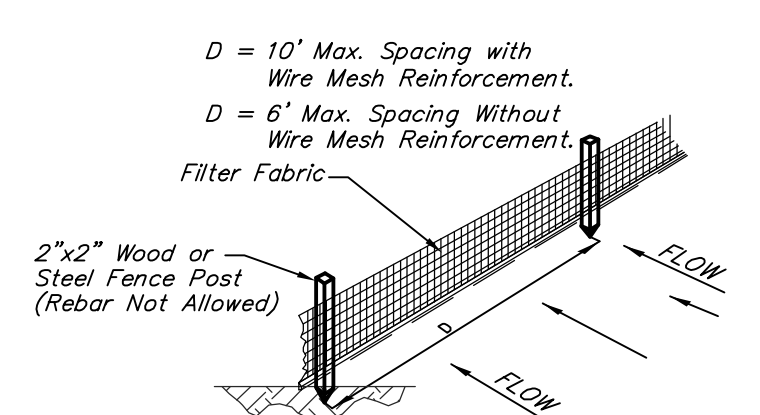
E:\Projects\Kansas Surgery Center Expansion (12-03-E740)\Engineering\KSC Site Plan.dwg



1 STRAW BALE BARRIERS FOR AREA INLETS  
NOT TO SCALE

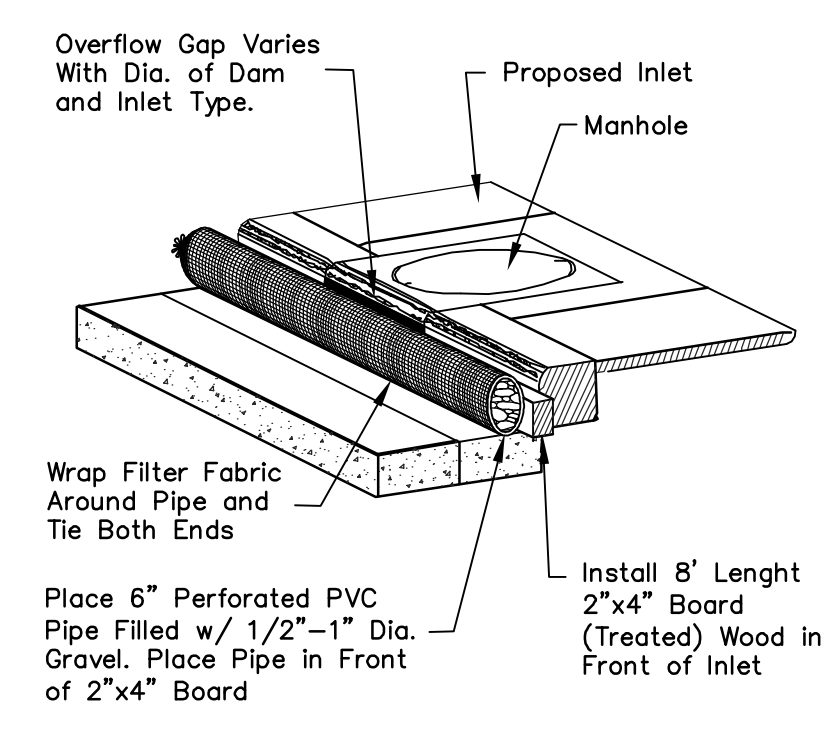
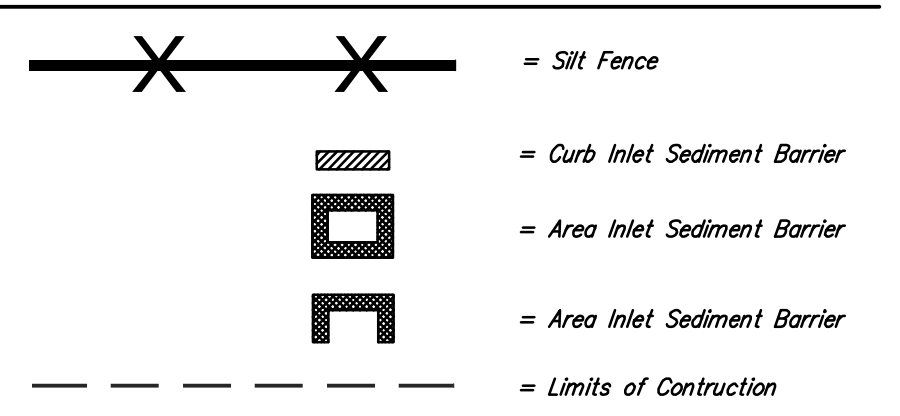


2 SILT FENCE DETAIL  
NOT TO SCALE



3 TYPE 1 INLET PROTECTION  
NOT TO SCALE

**EROSION CONTROL LEGEND**



3 TYPE 1 INLET PROTECTION  
NOT TO SCALE

**LEGAL DESCRIPTION**

Parcel one of Lot Split of Lot 1, Block 1, Kansas Surgery & Recovery Center Addition, Wichita, Sedgwick County, Kansas.

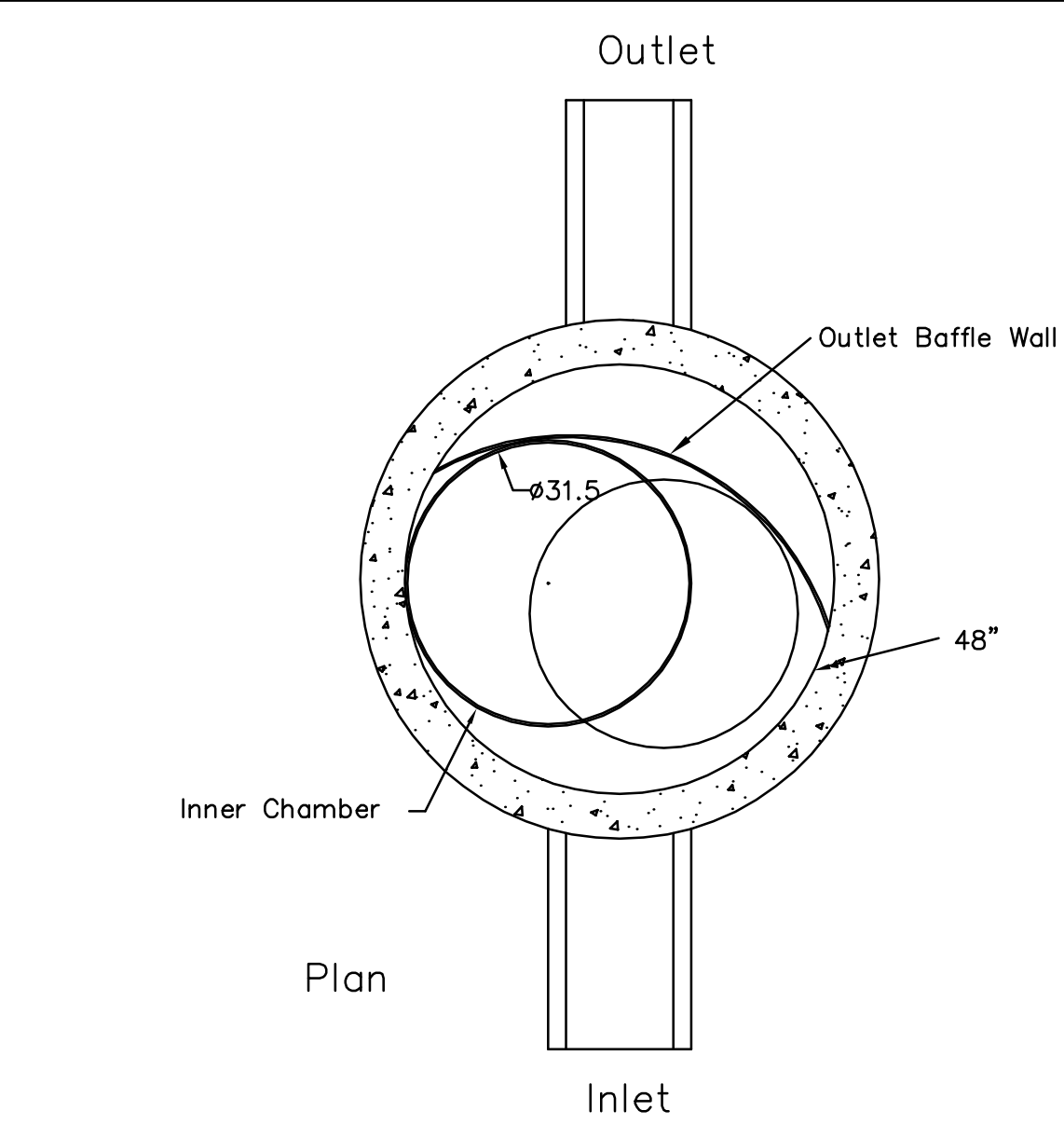
**Site Information**

Total Area:	±312,254 sq. ft. (±7.17 acres)
Disturbed Area:	±38,680 sq. ft. (±0.93acres)
Ex. Impervious Area:	±192,415 sq. ft. (±4.59acres)
Impervious area redeveloped:	±8,240 sq. ft. (±0.017acres)
New Impervious Area:	±24,230 sq. ft. (±0.383acres)
Net Impervious Area:	±216,645 sq. ft. (±4.95acres)
New Building Area:	±3,811 sq. ft.

**BENCHMARK**

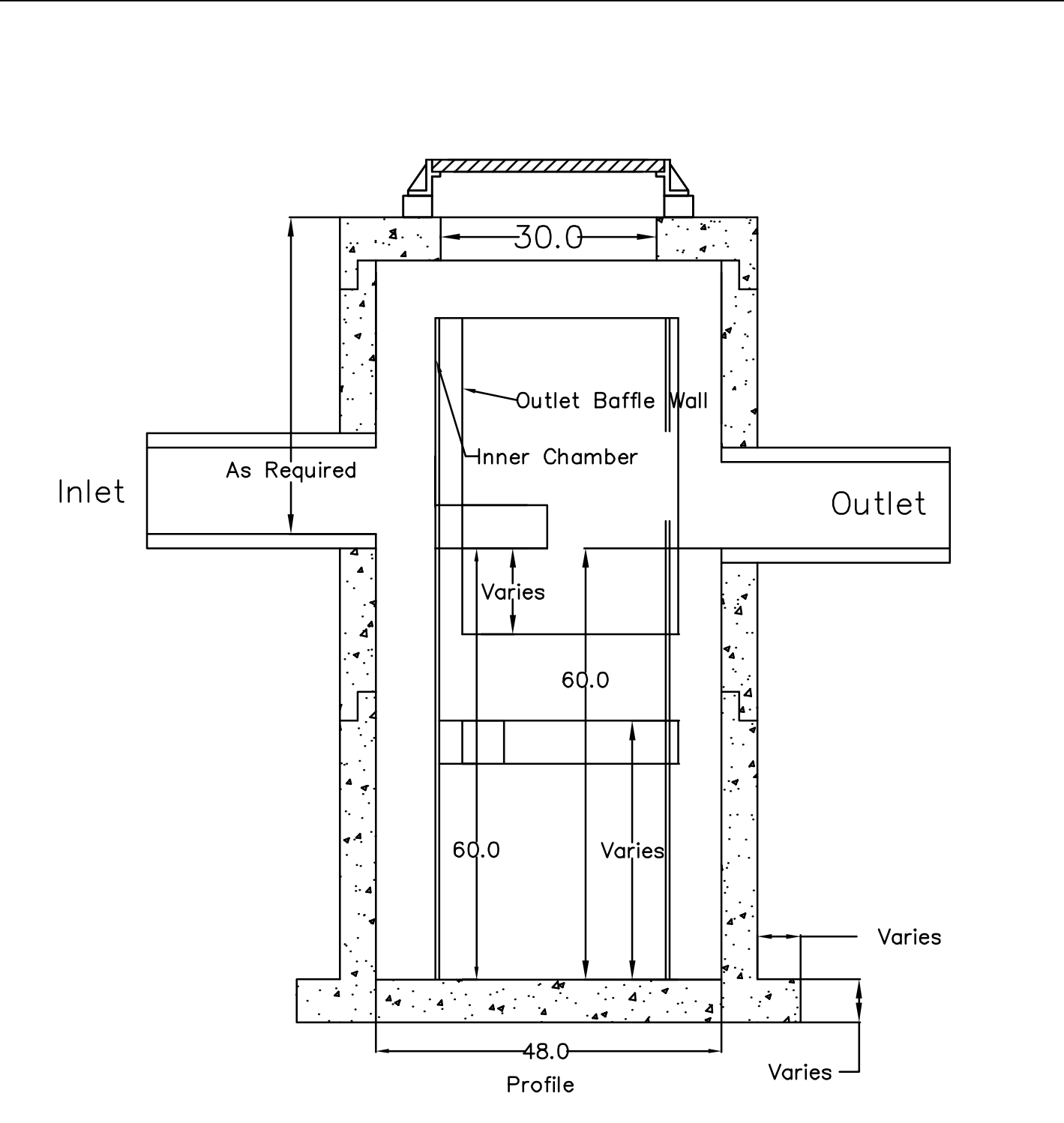
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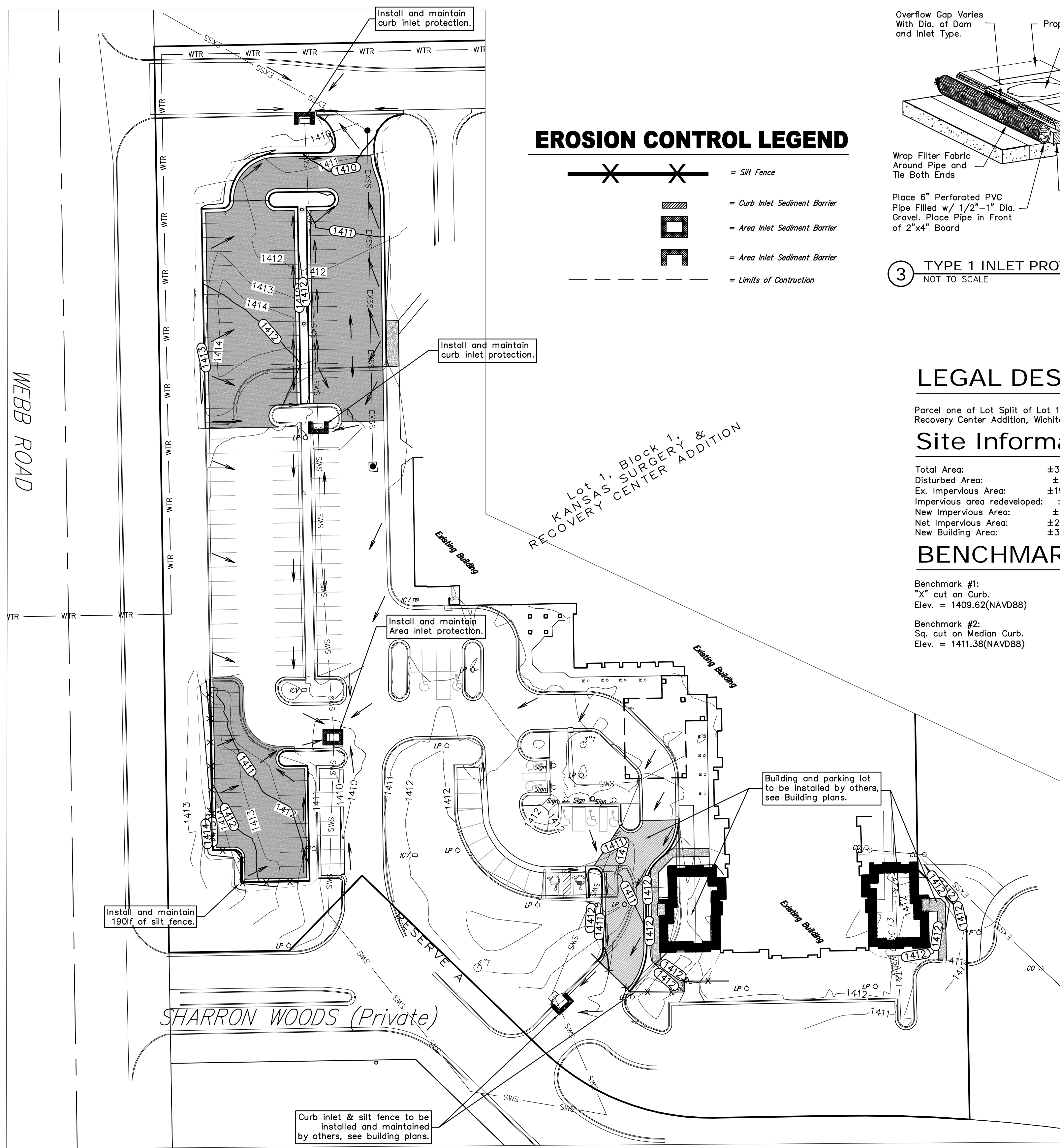


U.S. Patent No. 6,951,619

**Dimensions in Inches**  
Permanent Pool Volume = 450 US gallons  
The Hydroguard must be cleaned after the construction period if it is used as a sediment and erosion control measure  
The Hydroguard should be inspected once per year for stabilized sites  
Inspection will determine the maintenance frequency (annual maintenance or once every two years typical for stabilized sites)  
Sites with unstable conditions (exposed soil or materials storage) will require more frequent inspection and maintenance



Hydroworks HG4 (48"Ø)		
PROJECT:		
LOCATION:		
REVISION DATE:	02/10/2011	

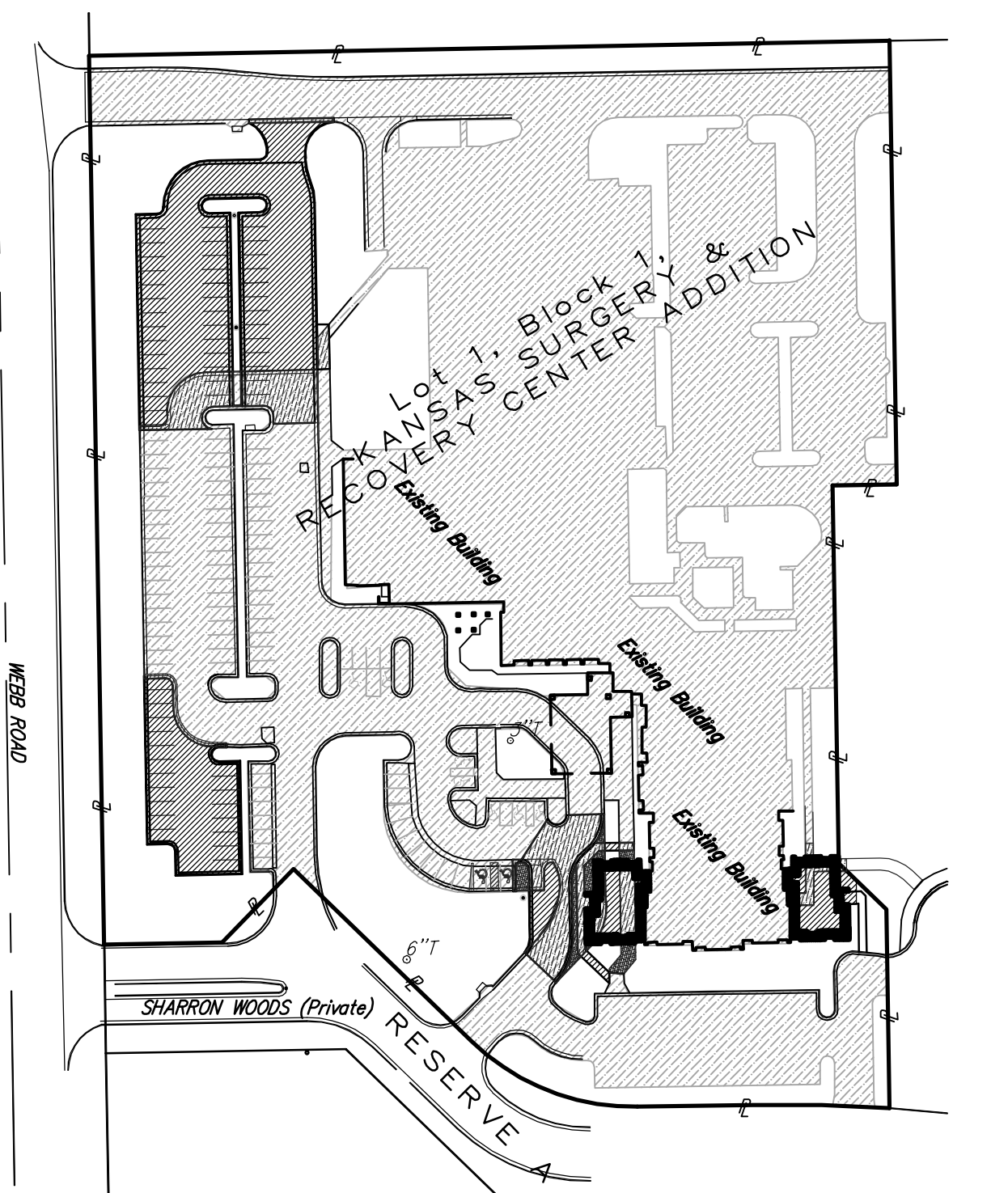


**EROSION CONTROL / GRADING REFERENCE**

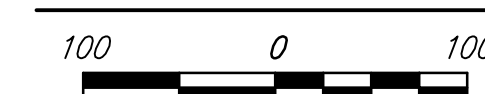


**ERU Plan**

	Disturbed Turf Area (6,210 sq. ft.)
	Redeveloped Impervious Area (7,397 sq. ft.)
	Impervious area to previous turf (843 sq. ft.)
	New Impervious Area (24,230 sq. ft.)
	Existing Impervious Area (192,415 sq. ft.)



**ERU PLAN**  
Scale 1" = 100'0"



**EROSION CONTROL NOTES**

- No land clearing or grading shall begin until all applicable erosion control measures have been installed. This project is subject to this SWPP Plan. The Contractor shall comply with any unusual requirements as necessary for the site to be in compliance during construction, per this plan and City specs (See #11).
- All exposed areas shall be seeded as specified within 30 days of final GRADING.
- Should construction stop for longer than 15 days, the site shall be seeded as specified.
- Maintain erosion control measures after each rain and at least once a week.
- This plan shall not be considered all inclusive as the contractor shall take all necessary precautions to prevent soil sediment from leaving the site.
- Contractor shall comply with all state and local ordinances that apply.
- Additional erosion and sediment control measures will be installed if deemed necessary by on site inspection.
- Land disturbing activities shall not commence until approval to do so has been received by governing authorities.
- If installation of storm drainage system should be interrupted by weather or nightfall, the pipe ends shall be covered with filter fabric.
- See Landscape Plan for ground treatments in all disturbed areas beyond impervious surfaces.
- This SWPP Plan should be in job trailer and/or on site at all times. The Contractor is responsible for any needed changes, updates or maintenance to BMP's on site. This plan may change and updates need to be recorded and documented on the plan. This plan is a flexible plan, due to changing site conditions and weather. Please inform Landscape Architect and/or Engineer of changes to plan.
- ANY substitutions for the sediment control devices shown, must be approved by the Landscape Architect and/or Engineer prior to any uses on site.
- An NPDES Permit Application has been submitted for this property. A copy of this application must be kept at the job site for the duration of the construction process.



	Kansas Surgery & Recovery Center Add. <b>HG 4 DETAIL &amp; ERU PLAN</b> Storm Drainage Improvements	
Baughman Company, P.A. 315 Ellis St., Wichita, KS 67211 P: 316-262-7271 F: 316-262-0189 ENGINEERING   SURVEYING   PLANNING   LANDSCAPE ARCHITECTURE		
PROJECT NUMBER: 0100 PPD (6078853)	DESIGN: psb	DRAWN: psb
REVISIONS:	APPROVED:	DATE: 4-27-12
SCALE: varies	SHEET: <b>2 OF 2</b>	